



qPCR Conferences and Presentations 2013

Introduction to Real-time qPCR

26 September 2013, Bangalore, India

Course Description

Quantitative real-time PCR (qPCR) has emerged as the leading platform for nucleic acids analyses. It is becoming widely available making it possible to determine the amounts of specific nucleic acids and even proteins in biological samples with unsurpassed accuracy and sensitivity. This has opened new possibilities to detect pathogens in biological and environmental samples and to study and diagnose complex diseases. This 1-day course will give participants' overview of qPCR technology and its possibilities, as well as insight in the future development of the technology platform and forthcoming applications.

The course is held in conjunction with [Genomic and Proteomics Research](#)

» [Registration](#)

Target Audience

This course is intended for researchers and laboratory personnel working with or planning to work with real-time PCR, researchers with interest in gene and protein expression, clinicians and pathologists with interest in molecular diagnostics, virologists, bacteriologists, and scientists with interest in food diagnostics and environmental testing.

Level of the Course

From beginners to intermediates

Course Outline (1 day course)

- Brief historic survey of PCR
- Basics of real-time PCR, applications and possibilities of the technology
- Present and forthcoming instrumentation platforms
- Probing technologies
- Multiplex qPCR
- Design and performance of qPCR experiments
- Data pre-treatment and basic analysis
- Normalization strategies
- Quantification strategies
- Extraction of DNA and RNA
- Reverse transcription
- Experimental design and quality assessment
- Immuno qPCR for protein detection
- qPCR expression profiling
- Digital PCR
- Quality assessment and quality control
- The MIQE guidelines



Mikael Kubista
Professor/Founder
TATAA Biocenter



Congress of European Microbiologists (FEMS 2013)

21 - 25 July 2013, Leipzig, Germany

Presentation by Dr Mikael Kubista, founder of TATAA Biocenter:

» [Single cell expression profiling - New insights into biology](#)

Dr. Martina Reiter joined the tataa team and will introduce and support our services, products and courses in Germany.

Please feel free to contact her: germany@tataa.com

» [Go to FEMS 2013](#)

Statistical Analysis of Real-time PCR Data/Gene Expression Profiling With Real-time PCR

14 - 15 October, Barcelona, Spain

Course Overview

Learn how appropriate statistics shall be selected and applied correctly to get the most out of your qPCR data. This two-days course teaches statistical principles and tools that are used in qPCR data analysis. The course includes practical computer based exercises to help you choose the correct analysis as well as designing your experiment in the best way.

The course is held in conjunction with [Genomics Research Europe 2013](#)

» [Registration](#)



Mikael Kubista
Professor/Founder
TATAA Biocenter

qPCR Products

» [Go to our webshop](#)

GenEx - Processing and analysis of qPCR data

GenEx is the leading software for processing and analysis of qPCR data. The powerful functionalities of GenEx coupled with its user friendly interface and near universal qPCR instrument compatibility makes it the preferred choice for both novices and professionals to cover their data analysis needs.



ValidPrime - Control for genomic background

ValidPrime™ replaces the need to perform no reverse transcriptase (RT(-)) controls to test for the presence of genomic DNA (gDNA) in your real-time quantitative PCR (qPCR) profiling. Just add the ValidPrime™ assay to the list of assays and the gDNA control to the list of samples, and run. ValidPrime™ will minimize the amount of control reactions and hence your costs as well as your efforts.



Grandmaster - High quality mastermixes

After specializing in qPCR for more than a decade TATAA Biocenter now introduces its own series of mastermixes for optimal and high quality results. Our mission is to deliver a reagent series that provides superior qPCR performances in a variety of applications and throughout the entire qPCR workflow.



Reference Gene Panels - Find the most stable reference genes

For all gene expression studies using qPCR, it is necessary to compensate for differences between samples due to material losses, differences in RT yields and PCR inhibition. Use the Reference Gene Panel for Human, Mouse or Rat to determine the optimal reference gene for your samples, without spending unnecessary time on primer design.



Latest News - Read all on our website

- IDT seminar "Single Cell Expression Profiling" by Dr Mikael Kubista on YouTube
- Presentation at qPCR & NGS – Freising 2013 "GenEx – the ultimate tool for qPCR data analysis"
- GenEx 5.4.3 now available – Updates are free!
- Meet TATAA at FEMS July 21-25 in Leipzig

LET US HELP YOU WITH YOUR NUCLEIC ACID ANALYSIS!

FIND HIGH QUALITY PRODUCTS FOR YOUR QPCR WORK IN OUR [WEBSHOP](#)

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